ELSEVIER

Journal of Controlled Release 34 (1995) 285–286

journal of controlled release

Contents Volume 34 (1995)

Vol. 34 No. 1 (APRIL 1995)

Bioavailability of theophylline from glutaraldehyde cross-linked casein microspheres in rabbits following oral administration
M.S. Latha, K. Rathinam, P.V. Mohanan and A. Jayakrishnan (India) 1
Chain-end scission in acid catalyzed hydrolysis of poly(D,L-lactide) in solution
C. Shih (USA) 9
Controlled release formulations of alachlor based on calcium alginate
A.B. Pepperman and J.-C.W. Kuan (USA) 17
Phosphorus and potassium release from phillipsite-based slow-release fertilizers
J.S. Notario del Pino, I.J. Arteaga Padrón, M.M. González Martín and J.E. García Hernández (Spain) 25
The effect of food on the gastrointestinal transit and systemic absorption of naproxen from a novel sustained release formulation
C.J. Kenyon, G. Hooper (UK), D. Tierney, J. Butler, J. Devane and I.R. Wilding (UK, Ireland) 31
An analysis of drug and solute transport through membranes based on potential barriers
N.A. Peppas and N. Sundaram (USA) 37
Enhancement of transdermal transport of azidothymidine (AZT) with novel terpene and terpene-like enhancers: in vivo–in vitro correlations
T.T. Kararli, C.F. Kirchhoff and S.C. Penzotti, Jr. (USA) 43
Effects of phospholipid based formulations on in vitro and in vivo percutaneous absorption of methyl nicotinate
F.P. Bonina, L. Montenegro, N. Scrofani, E. Esposito, R. Cortesi, E. Menegatti and C. Nastruzzi (Italy) 53
Fibrin-based drug delivery systems III: The evaluation of the release of macromolecules from microbeads
H.-O. Ho, C.-C. Hsiao, T.D. Sokoloski, C.-Y. Chen and M.-T. Sheu (Taiwan, ROC, USA) 65

News 71
Calendar 73

Vol. 34 No. 2 (MAY 1995)

Zero order release of protein from poly(D,L-lactide-co-glycolide) microparticles prepared using a modified phase separation technique
J.P. McGee, S.S. Davis and D.T. O'Hagan (UK) 77
Pulsed FSH release from an implantable capsule system
A. Ganiyu Jimoh, D.L. Wise, J.D. Gresser and D.J. Trantolo (USA) 87
Synergism of calcium-ethanehydroxybisphosphonate (CaEHBP) and $FeCl_3$: controlled release polymers for preventing calcification of bioprosthetic aortic wall
N.R. Vyavahare, X. Qu, M. Lee, P. Behari, F.J. Schoen and R.J. Levy (USA) 97
Enhanced intestinal absorption of an RGD peptide from water-in-oil microemulsions of different composition and particle size
P.P. Constantinides, C.M. Lancaster, J. Marcello, D.C. Chiossone, D. Orner, I. Hidalgo, P.L. Smith, A.B. Sarkahian, S.H. Yiv and A.J. Owen (USA) 109
Modified release of hydrophilic, hydrophobic and peptide agents from ionized amphiphilic gel networks
H. Yu and D.W. Grainger (USA) 117

Dual-controlled transdermal delivery of levonorgestrel and estradiol: enhanced permeation and modulated delivery
G.-S. Chen, D.-D. Kim and Y.W. Chien (USA) 129
In vitro drug release from HYC 141, a corticosteroid ester of high molecular weight hyaluronan
E. Payan, J.Y. Jouzeau, F. Lapicque, K. Bordji, G. Simon, P. Gillet (France), M. O'Regan (Italy) and P. Netter (France) 145
Synthesis of novel hydrolytically degradable hydrogels for controlled drug release
K. Ulbrich, V. Šubr, P. Podpěrová and M. Burešová (Czech Republic) 155
Noninvasive measurement of protein release from subcutaneous depo formulations in vivo using X-ray fluorescence
D.S. MacLean, J.D. Robertson, M. Jay and D.J. Stalker (USA) 167
Towards prediction of release profiles of antibiotics from coated poly(DL-lactide) cylinders
X. Zhang, K.B. McAuley and M.F.A. Goosen (Canada) 175

News 181
Calendar 183

Vol. 34 No. 3 (JUNE 1995)
Zero-order release from biphasic polymer hydrogels
C.G. Varelas, D.G. Dixon and C.A. Steiner (USA) 185
In vitro characterization of a solvent-controlled nitroglycerin transdermal system
A.R. Comfort, I. Shevchuk, J.H. Otte and S.M. Dinh (USA) 193
Proliposomes as an intranasal dosage form for the sustained delivery of propranolol
B.-N. Ahn, S.-K. Kim and C.-K. Shim (South Korea) 203
Analysis of enhanced transdermal transport by skin electroporation
D.A. Edwards, M.R. Prausnitz, R. Langer and J.C. Weaver (USA) 211
In vitro and in vivo evaluation of polyoxyethylene indomethacin esters as dermal prodrugs
F.P. Bonina, L. Montenegro, P. De Caprariis, F. Palagiano, G. Trapani and G. Liso (Italy) 223
In vitro cytotoxicity of macromolecules in different cell culture systems
S. Choksakulnimitr, S. Masuda, H. Tokuda, Y. Takakura and M. Hashida (Japan) 233
Sustained oral mucosal delivery in human volunteers of buprenorphine from a thin non-eroding mucoadhesive polymeric disk
R.L. McQuinn, D.C. Kvam, M.J. Maser, A.L. Miller and S. Oliver (USA, UK) 243
Bioadhesive microspheres: I. A novel electrobalance-based method to study adhesive interactions between individual microspheres and intestinal mucosa
D.E. Chickering and E. Mathiowitz (USA) 251
A new gradient matrix: formulation and characterization
P. Hildgen and J.N. McMullen (Canada) 263
Book reviews 273

News 277
Calendar 279

Author Index 281

Subject Index 283

Contents Volume 34 285